

Hobbs, NM 88241-1980  
District II - (505) 748-1283  
811 S. First  
Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410  
District IV - (505) 827-7131

NEW MEXICO  
Energy Minerals and Natural Resources Department  
Oil Conservation Division  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131

FORM C-14  
Revised 06/98

SUBMIT ORIGINAL  
PLUS 2 COPIES  
TO APPROPRIATE  
DISTRICT OFFICE

APPLICATION FOR  
WELL WORKOVER PROJECT

RECEIVED  
JUL 20 1999

OIL CON. DIV.  
DIST. 3

I. Operator and Well

Operator name & address Phillips Petroleum Company 5525 Hwy. 64 Farmington, NM 87401						GRID Number 017654		
Contact Party Patsy Clugston						Phone 505-599-3454		
Property Name San Juan 29-6 Unit						Well Number 72A		
API Number 30-039-21344								
UL F	Section 22	Township 29N	Range 6W	Feet From The 1450	North/South Line North	Feet From The 1620	East/West Line West	County Rio Arriba

II. Workover

Date Workover Commenced: 9/15/98	Previous Producing Pool(s) (Prior to Workover):  Blanco Mesaverde
Date Workover Completed: 9/25/98	

- III. Attach a description of the Workover Procedures performed to increase production.  
IV. Attach a production decline curve or table showing at least twelve months of production prior to the workover and at least three months of production following the workover reflecting a positive production increase.

V. AFFIDAVIT:

State of New Mexico )  
 ) ss.

County of San Juan )

Patsy Clugston, being first duly sworn, upon oath states:

- I am the Operator, or authorized representative of the Operator, of the above-referenced Well.
- I have made, or caused to be made, a diligent search of the production records reasonably available for this Well.
- To the best of my knowledge, this application and the data used to prepare the production curve and/or table for this Well are complete and accurate.

Signature Patsy Clugston  
SUBSCRIBED AND SWORN TO before me this

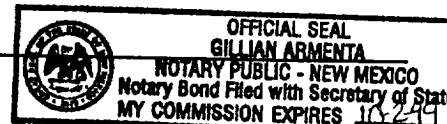
Title Regulatory Assistant

Date 7/15/99

15th day of July, 1999.

Gillian Armenta  
Notary Public

My Commission expires: \_\_\_\_\_



FOR OIL CONSERVATION DIVISION USE ONLY:

VI. CERTIFICATION OF APPROVAL:

This Application is hereby approved and the above-referenced well is designated a Well Workover Project and the Division hereby verifies the data shows a positive production increase. By copy hereof, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project was completed on 9/25/98.

Signature District Supervisor <u>SSC</u>	OCD District <u>3</u>	Date <u>8/4/99</u>
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT: \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT - " for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Phillips Petroleum Company

3. Address and Telephone No.

5525 Highway 64, NBU 3004, Farmington, NM 87401 505-599-3454

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Unit F, 1450' FNL & 1620' FWL  
Section 22, T29N, R6W

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

SF-080377

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

San Juan 29-6 Unit

8. Well Name and No.

SJ 29-6 Unit #72A

9. API Well No.

30-039-21344

10. Field and Pool, or exploratory Area

Blanco Mesaverde

11. County or Parish, State

Rio Arriba, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Add pay and stimulate  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion or Well Completion or Recompletion Report and Log (Form 3160-5).)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

See attached for the procedure used to add pay and stimulate the Lewis Shale interval in the existing Mesaverde formation.

14. I hereby certify that the foregoing is true and correct

Signed Patsy Chugston Title Regulatory Assistant Date 9-28-98

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_  
Conditions of approval, if any: \_\_\_\_\_

ACCEPTED FOR RECORD

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statement or representation as to any matter within its jurisdiction.

\* See Instruction on Reverse Side

OPERATOR

FARMINGTON DISTRICT OFFICE

**San Juan 29-6 Unit #72A**  
**SF-080377; Unit F, 1450' FNL & 1620' FWL**  
**Section 22, T29N, R6W; Rio Arriba County, NM**

**Procedure used isolate and squeeze leak in casing and then perf & stimulate the  
Lewis Shale interval in the existing Mesaverde formation.**

9/15/98

MIRU Big A #40. Killed well. ND WH & NU BOPs. COOH w/2-3/8" tubing. Clean out to PBTD. COOH. RIH w/4 1/2" CIBP & set @ 4950'. Load hole & pressure test CIBP & casing to 500 psi bled back to 0. Established injection rate @ 1 bpm @ 500 psi. COOH. GIH & ran GR/CCL/CBL log from 4954' to 3510' (liner top) good bond from 4950 to 3820'. Logged under 250 psi from 3510 to surface. TOC - 2200'. Notified BLM & OCD of squeeze. GIH w/4-1/2" packer & set @ 4940'. PT and moved up hole to isolate leak. Found leak from 3752' - 3814'. RIH w/4-1/2" cement retainer & set @ 3630'.

RU BJ to squeeze. Pumped 50 sx CI H cement w/3% CaCl<sub>2</sub> mixed @ 16 ppg yield 1.18 ft<sup>3</sup>/sx (76 cf). Displaced w/8 bbls water. Pressure increased to 2000 + psi. Bleed down & sting out of retainer. Reversed out 6 bbls (28 cf) w/30 bbls water. Job complete @ 1743 hrs 9/16/98. COOH. WOC.

RIH w/3-7/8" bit & scraper & tagged retainer @ 3630'. Drilled out cement retainer & 170' good hard cement from 3630' - 3800'. PT casing and squeeze to 500 psi - 30 min. Good test. GIH & tagged CIBP @ 4950'. Circulated hole. COOH. RU to perf. Perf'd Lewis Shale interval @ 1 spf (.38" holes) 120 degree phased holes as follows: (Huerfanito Bentonite not present, equivalent stratigraphic depth is 4027').

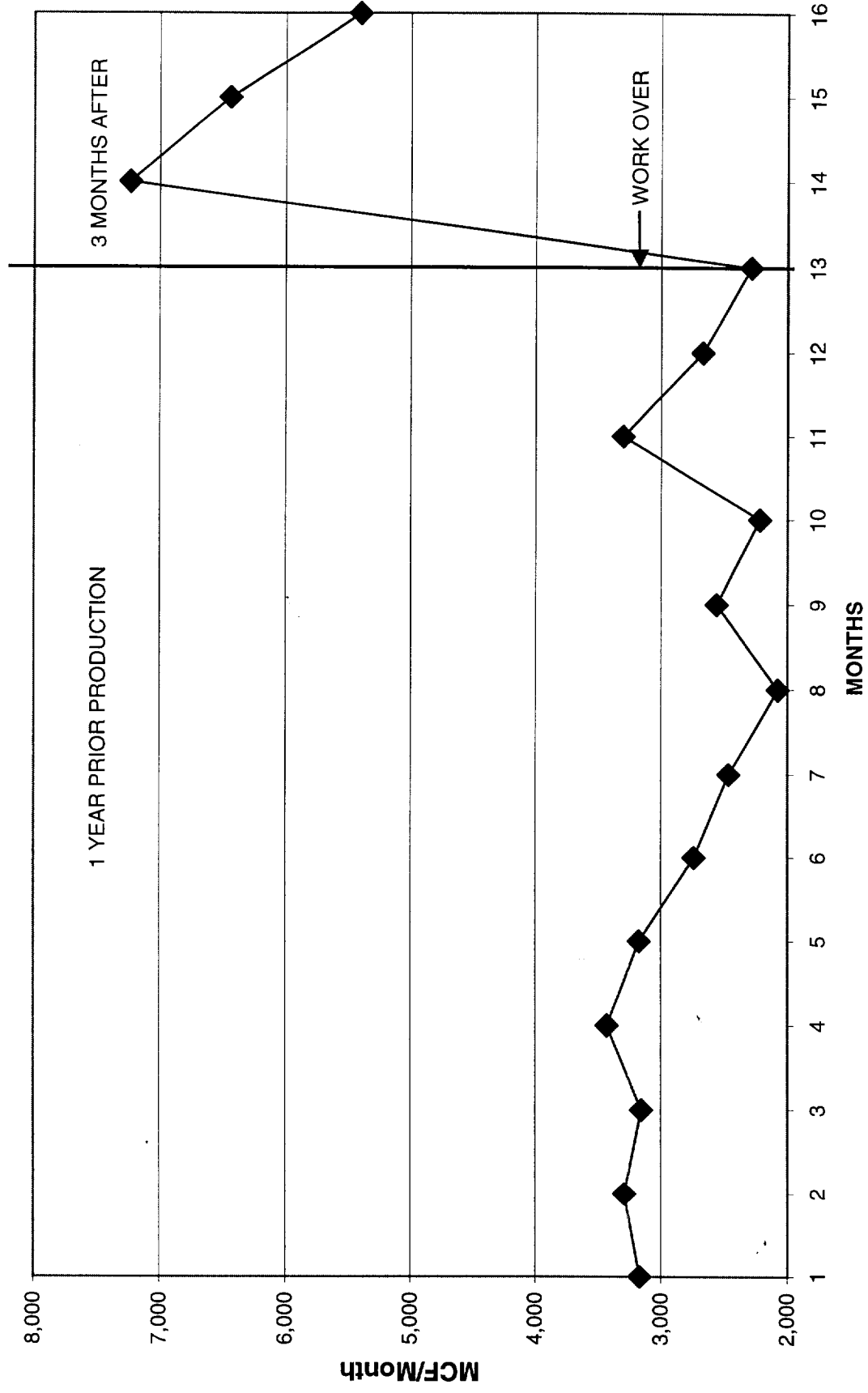
4740' - 4743' (3');	4677' - 4680' (3');	4600' - 4603' (3');	4526' - 4529' (3');
4479' - 4482' (3');	4422' - 4425' (3');	4358' - 4361' (3');	4314' - 4317' (3');
4282' - 4285' (3');	4214' - 4217' (3');	4084' - 4087' (3');	4049' - 4052' (3'); 36 Holes Total

GIH w/4 1/2" FBP & set @ 3877'. PT casing annulus & packer to 500 psi - OK. RU to Acidize Lewis Shale interval. Pumped 1000 gal of 15% HCL acid & ballsealers. Knocked balls off & COOH w/packer.

RIH & set 4 1/2" packer @ 3541'. PT casing annulus & packer to 500 psi -OK. RU to frac Lewis Shale. Pumped 61,703 gal 60 Quality N2 30# X-link Borate foam w/198,820 = 20/40 Brady sand. Tagged with Iridium 192 radioactive tracer @ .447 mc/1000 total 89 millicuries. Total N2 - 880,000 scf, Total fluid to recover 743 bbls. ATP - 2400 psi; 45 bpm ATR. ISDP - 550 psi. Flowed back immediately on 1/4" chokes for approx. 41 hours.

Released packer and COOH. RIH & cleaned out to CIBP @ 4950'. Drilled out CIBP and circulated hole & chased CIBP to 5606'. COOH. RIH w/2-3/8" 4.7# tubing and landed tubing @ 5500' with "F" nipple set @ 5467'. ND BOPs & NU WH. Pumped off exp. check. RD & released rig 9/25 98. Turned well over to production department.

# 29-6 #72A Workover Production Increase



API #	29-6 #72A	MCF/Month
30-039-21344	1	3,169
	2	3,289
	3	3,156
	4	3,428
	5	3,173
	6	2,740
	7	2,465
	8	2,075
	9	2,561
	10	2,218
	11	3,301
	12	2,669
WORK OVER →	13	2,285
	14	7,234
	15	6,442
	16	5,404